Exhibit B - Alignments showing that the Shaner et al. proteins have at least 80% identity with SEQ ID NO:12.

	SeqA Name	Len(aa)	•		Len(aa)	Score	
	======================================						
	1 SEQ_ID_12	225		mHoméAgém	225	83	
	1 SEQ_ID_12	225	3	mBanana	236	80	
	1 SEQ_ID_12		4	mOrange	236	82	
	1 SEQ_ID_12	225	5	dTomato	234	89	
	1 SEQ_ID_12		6	tdTomato	476	89	
	1 SEQ_ID_12	225	7	mTangerine	225	84	
	1 SEQ_ID_12	225	8	mStrawberry	236	80	
	i SEQ_ID_12	225	· 9	mCherry	236	81	
	=======================================			8 882000000000	22222222	=====	
SEQ_ID_12	MRS-SKNV	i kefmrfkvri	MEGTVN-				23
morange	MVSKGEENNMAIIKEFMRFKVRMEGSVN28						
mStrawberry	MVSKGEENNMAIIKEFMRFKVRMEGSVN 28						
mBanana	MVSKGEENNMAVIKEFMRFKVRMEGSVN28						
mCherry	MVSKGEEDNMAIIKEFMRFKVHMEGSVN28						
mHomeydew							
mTangerine							
dTomato							
tdTomato	MVSKGEEVIKEFMRFKVRMEGSMN						
		******		31175 to 170th 0 170th	TEGIVIAIG	IKAIKGGFPF	36
		•					
SEQ_ID_12				,			
mOrange							
mStrawberry				·			
mBanana							
mCherry							
mHomeydew							
mTangerine						·	
dTomato			, 		·	·	
tdTomato	fawdilspofmy	gskayvkhpai	DIPDYK	(LSFPEGFKWERVM	NFEDGGLVI	TVTODSSLOD	1.16
	•			·			
SEO 10 10							
SEQ_ID_12						•	
morange				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
mStrawberry							
mBanana				~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			
mCherry							
mHomeydew							
mTangerine							
dTomato							
tdTomato	GŢLIYKVKMRGI	AR P P D G P V M Q I	CKIMGME	CASTERLYPROGVI	KGEIHQALI	CTKDGGHĀTA	176
SEQ_ID_12							
mOrange	•••••			• • • • • • • • • • • • • • • • • • • •			
mStrawberry							
mBanana							
mCherry	wywwwwwww.	www.ww.ww.ww.ww.ww.ww.ww.ww.ww.ww.					
mHomeydew							
mTangerine					~~~~~~~~~	***************************************	
dTomato							
tdTomato	EFKTIYMAKKPV	QLPGYYYVDT:	CLDITSH	INEDYTIVEQYERS	EGRHHLFLO	HGTGSTGSG	236

SEQ_ID_12	GHEFEIEGEGEGRPYEGHNTVKLKVTKGGP	53
mOrange	GHEFEIEGEGRPYEGFQTAKLKVTKGGP	58
mStrawberry	GHEFEIEGEGEGRPYEGTQTAKLKVTKGGP	58
mBanana	GHEFEIEGEGEGRPYEGTQTAKLKVTKGGP	58
mCherry	GHEFEIEGEGEGRPYEGTQTAKLKVTKGGP	58
mHomeydew	GHEFEIEGEGEGRPYEGTQTAKLKVTKGGP	53
mTangerine	GHEFEIEGEGEGRPYEGTQTAKLKVTKGGP	53
dTomato	GHEPEIEGEGEGRPYEGTQTAKLKVTKGGP	54
tdTomato	SSGTASSEDNNMAVIKEPMRFKVRMEGSMNGHEFEIEGEGEGRPYEGTQTAKLKVTKGGP	296

SEQ_ID_12	LPFAWDILSPQFQYGSKVYVKHPADIPDYKKLSFPEGFKWERVMNFEDGGVVTVTQDSSL	
wOrange	LPFAWDILSPQPTYGSKAYVKHPADIPDYFKLSFPEGFKWERVMNFEDGGVVTVTQDSSL	
mStrawberry	LPFAWDILTPNPTYGSKAYVKHPADIPDYLKLSFPEGFKWERVMNFEDGGVVTVTQDSSL	118
mBanana	LPFAWDILSPOPCYGSKAYVKHPTGIPDYFKLSPPEGFKWERVMNPEDGGVVTVAQDSSL	118
wChetxl	LPFAWDILSPQFMYGSKAYVKHPADIPDYLKLSFPEGFKWERVMNFEDGGVVTVTQDSSL	
mHomeydew	LPFAWDILSPQFMWGSKAYVKHPADIPDYLKLSFPEGFKWERVMNFEDGGVVTVTQDSSL	113
mTangerine	LPFAWDILSPQFCYGSKAYVKHPADIPDYLKLSFPEGFKWERVMNFEDGGVVTVTQDSSL	-
dTomato	LPFAWDILSPQFMYGSKAYVKHPADIPDYKKLSFPEGFKWERVMNFEDGGLVTVTQDSSL	114
tdTomato	LPFAWDILSPQFMYGSKAYVKHPADI PDYKKLSFPEGFKWERVMNFEDGGLVTVTQDSSL	356

SEQ_ID_12	QDGCFIYKVKFIGVNFPSDGPVMQKKTMGWEASTERLYPRDGVLKGEIHKALKLKDGGHY	173
mOrange	QDGEFIYKVKLRGTNFP\$DGPVMQKKTMGWEA\$SERMYPEDGALKGEIKMRLKLKDGGHY	
mStrawberry	QDGEFIYKVKLRGTNFPSDGPVMQKKTMGWEASSERMYPEDGALKGEIKMRLKLKDGGHY	178
mBanana	QDGEFIYKVKLRGTNFPSDGPVMQKKTMGWEASSERMYPEDGALKGEIKMRLKLKDGGHY	
mCherry	QDGEFIYKVKLRGTNFP\$DGPVMQKKTMGWEASSERMYPEDGALKGEIKQRLKLKDGGHY	
mHomeydew	QDGEFIYKVKLRGTNFP\$DGPVMQKKTMGWAATTERMYPEDGALKGEIKMRLKLKDGGHY	
mTangerine	QDGEFIYKVKLRGTNFPSDGPVMQKKTMGWEASSERMYPEDGALKGEIKMRLKLKDGGHY	
dTomato	QDGTLIYKVKMRGTNFPPDGPVMQKKTMGWEASTERLYPRDGVLKGEIHQALKLKDGGHY	
tdTomato	QDGTLIYKVKMRGTNFPPDGPVMQKKTMGWEASTERLYPRDGVLKGEIHQALKLKDGGHY	
	*** :****	
SEQ_ID_12	LVEFKSIYMAKKPVQLPGYYYVDSKLDITSHNEDYTIVEQYERTEGRHHLFL	225
mOrange	TSEVKTTYKAKKPVQLPGAYIVGIKLDITSHNEDYTIVEQYERAEGRHSTGGMDELYK	236
mStrawberry	DAEVKTTYKAKKPVQLPGAYIVGIKLDITSHNEDYTIVELYERAEGRHSTGGMDELYK	236
mBanana	SAETKTTYKAKKPVQLPGAYIAGEKIDITSHNEDYTIVELYERAEGRHSTGGMDELYK	236
mCherry	DAEVKTTYKAKKPVQLPGAYNVNIKLDITSHNEDYTIVEQYERAEGRHSTGGMDELYK	236
mHomeydew	DAEVKTTYMAKKPVQLPGAYKIDGKLDITSHNEDYTIVEQYERAEGRHSTG~~A~~~~~	225
mTangerine	DAEVKTTYMAKKPVQLPGAYKTDIKLDITSHNEDYTIVELYERAEGRHSTGA	225
dTomato	LVEPKTIYMAKKPVQLPGYYYVDTKLDITSHNEDYTIVEQYERSEGRHHLFLYGMDELYK	234
tdTomato	LVEPKTIYMAKKPVQLPGYYYVDTKLDITSHNEDYTIVEQYERSEGRHHLFLYGMDELYK	476
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